

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

Permit: F-07-034
Sensus Precision Die Casting
Russellville, KY 42276
November 19, 2007
Vahid Bakhtiar, Reviewer

SOURCE ID:	21-141-00022
SOURCE A.I. #:	2755
ACTIVITY ID:	APE20060002

SOURCE DESCRIPTION:

Sensus Precision Die Casting (Sensus), formerly Invensys Precision Die Casting, is an aluminum die casting plant located in Russellville, Kentucky that manufactures aluminum components for a wide range of markets, including automotive, gas meter, small engine, and electronics industries. The die casting process begins with the melting and processing of clean charge in natural gas-fired melting furnaces. Other source operations primarily consist of aluminum die casting operations and metal cleaning and surface coating operations. The Standard Industrial Classification (SIC) Code for this aluminum die casting source is 3363. The Lindberg Barrel Furnace, EP 32, has been removed from service and dismantled. EP 35, the Kimball 4 wall Acme Fab washing machine has been removed from the plant.

The potential to emit (as defined in 401 KAR 52:001, Section 1 (56)) of particulate matter less than ten (10) microns (PM10), any single hazardous air pollutant (HAP) and the combination of HAPs are greater than major source thresholds. To preclude the applicability of 401 KAR 52:020, *Title V Permits*, the source has requested voluntary federally enforceable permit limits such that the potential emissions are below major source thresholds. Therefore, the source is subject to the provisions of 401 KAR 52:030, *Federally-Enforceable Permits for Nonmajor Sources*. This permit is the initial issuance of the source's Conditional Major Permit for this source.

PUBLIC, EPA, AND AFFECTED STATE REVIEW:

On October 19, 2007, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in the *News-Democrat & Leader* in Russellville, Kentucky. The public comment period expired 30 days from the date of publication.

Comments were received from Environmental Management Services, Inc., on behalf of Sensus, on November 15, 2007. Minor changes were made to the permit as a result of the comments received, however the Division has concluded that the proposed operation will comply with all air quality regulations and requirements. The permit is now being issued final.